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To: Magalie Roman Salas  
Secretary, FCC  
455 12<sup>th</sup> St. SW  
Washington, DC 20554

Re: Ultra-Wideband (ET Docket 98-153)

Dear Ms. Salas,

On behalf of the Consortium for School Networking (CoSN), an organization that promotes the use of telecommunications in K-12 education to improve teaching and learning, I write in response to the FCC's Notice of Proposed Rulemaking on ultra-wideband radio. CoSN has a strong interest in bringing internal networking into schools and in particular in the development of wireless products. We applaud recent actions by the FCC that will increase the availability and speed of some existing wireless networking products. At the same time, we believe the UWB technology at issue in the current proceeding has tremendous potential for schools, allowing the fast and flexible networking of buildings at relatively low cost. I urge the FCC to move forward to make the development of UWB wireless networking as soon as possible.

Ultra-wideband's local wireless networking potential is of particular interest to the schools networking community, which has been working hard to bring new educational technologies to classrooms across the country. UWB has the potential to provide low-cost, high-speed, unlicensed wireless devices for local area networking. Local area networking is a huge stumbling block for many schools that simply cannot afford the high costs and downtime associated with running cables throughout buildings. UWB wireless networking – which promises to be easier, less expensive, more flexible and faster to set up without sacrificing performance – therefore holds tremendous potential for schools, many of which have been unable to receive E-rate funds to help them afford internal connections. Furthermore, many schools are in older buildings where, *even with the help of the E-rate*, traditional wired networking has proven extremely difficult and expensive involving significant construction costs and often removal of asbestos and other unforeseen difficulties.

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We understand that some applications of UWB technologies may pose minimal levels of interference with certain public safety signals, such as those used in GPS in airplanes. We urge the FCC to move forward judiciously in dealing with those applications. We also understand that the FCC has tentatively concluded that some devices which operate above 2 GHz – including UWB local area networking technologies – do not threaten to interfere with existing wireless technologies. For that reason, we strongly urge the Commission to move forward in licensing these products and making them widely available to schools/libraries throughout the country. We thank you for your attention to our views.

Sincerely,

A handwritten signature in black ink, appearing to read "Keith Krueger". The signature is fluid and cursive, with the first name "Keith" and last name "Krueger" clearly distinguishable.

Keith Krueger,  
Executive Director, CoSN